

## EAST Search History

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	1184	((1825/8) or (182/5) or (182/191) or (182/192) or (182/3)).CCLS.	US-PGPUB; USPAT	OR	OFF	2009/04/10 11:28
S2	8	("20030151180"   "3908791"   "4100996"   "4399890"   "4791243"   "5224427"   "5722612"   "5799760").PN.	US-PGPUB; USPAT	OR	ON	2009/04/10 11:31
S3	23	("1955473"   "3006431"   "3179994"   "3250515"   "3317971").PN. OR ("3908791").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/04/10 11:34
S4	8	("3908791"   "5316102"   "5417303").PN. OR ("5964316").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/04/10 11:37
S5	57	("0278858"   "0290961"   "0299511"   "0448176"   "0473572"   "0481252"   "0489463"   "0553299"   "0619105"   "0640099"   "0816495"   "1069325"   "1202571"   "1206676"   "1576210"   "2543348"   "2549707"   "2647675"   "2873055"   "3018842"   "3207263"   "3261590"   "3325147"   "3908791"   "3915432"   "3944021"   "3946836"   "4026385"   "4121689"   "4191275"   "4406349").PN. OR ("4512438").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/04/10 11:43
S6	29	("3337004"   "3444962"   "3482872"   "3486791"   "3561690"   "3599757"   "3804396"   "4062994"   "4100996"   "4358136"   "4446944"   "4538702"   "5174410"   "5224427").PN. OR ("5799760").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/04/10 12:18
S7	10	("3058866"   "3586131"   "3705740"   "4258934").PN. OR ("4791243").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/04/10 12:23
S8	8	("1828349"   "2128030"   "3245649"   "3598200"   "3908791").PN. OR ("4399890").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/04/10 12:26

S9	2996897	EP "273673"	EPO	OR	ON	2009/04/10 12:32
S10	1	"EP 273673"	EPO	OR	ON	2009/04/10 12:33
S11	0	"FR 1356533"	EPO	OR	ON	2009/04/10 12:35
S12	0	"FR AND 1356533"	EPO	OR	ON	2009/04/10 12:35
S13	0	(FR AND "1356533")	EPO	OR	ON	2009/04/10 12:35
S14	0	("1356533")	EPO	OR	ON	2009/04/10 12:35
S15	1	("356533")	EPO	OR	ON	2009/04/10 12:35
S16	0	("1356533")	EPO	OR	ON	2009/04/10 12:35
S17	1	(gb and "2351789")	EPO	OR	ON	2009/04/10 12:36
S18	0	("2007/0107984").URPN.	USPAT	OR	ON	2009/04/10 12:41
S19	1	("2004/0055818").URPN.	USPAT	OR	ON	2009/04/10 12:46
S20	0	("2003/0159882").URPN.	USPAT	OR	ON	2009/04/10 12:47
S21	0	("2003/0159882").URPN.	USPAT	OR	ON	2009/04/10 12:47
S22	0	("2002/0053485").URPN.	USPAT	OR	ON	2009/04/10 12:50
S23	1	("2002/0014370").URPN.	USPAT	OR	ON	2009/04/10 12:51
S24	29	("0187569"   "0404514"   "0632993"   "1052791"   "1575344"   "1583055"   "2979154"   "3294196"   "3880255"   "3900081"   "4161998"   "4287963"   "4425982"   "4503933"   "4629032"   "4653609"   "5020633"   "5101935"   "6233877"   "D363784"). PN. OR ("6550580").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/04/10 12:58
S25	19	("3444957"   "3561819"   "3804698"   "3862673"   "4538702"   "4939818"). PN. OR ("5113981").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/04/10 13:36
S26	28	{shock\$3 adj absorb\$3} with (fall adj arrest\$3)	US-PGPUB; USPAT; USOCR	OR	ON	2009/04/10 13:38
S27	28	{shock\$3 adj absorb\$3} with (fall adj arrest\$3)	US-PGPUB; USPAT	OR	ON	2009/04/10 13:38

S28	19	("2313437"   "2931466"   "3327811"   "3662992"   "3830346"   "3980161"   "4533026").PN. OR ("4923037").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/04/10 13:42
S29	19	S28	US-PGPUB; USPAT; USOCR	OR	ON	2009/04/10 13:42
S30	1	S28 and ((shock adj absorb \$3))	US-PGPUB; USPAT; USOCR	OR	ON	2009/04/10 13:43
S31	57	("0278858"   "0290961"   "0299511"   "0448176"   "0473572"   "0481252"   "0489463"   "0553299"   "0619105"   "0640099"   "0816495"   "1069325"   "1202571"   "1206676"   "1576210"   "2543348"   "2549707"   "2647675"   "2873055"   "3018842"   "3207263"   "3261590"   "3325147"   "3908791"   "3915432"   "3944021"   "3946836"   "4026385"   "4121689"   "4191275"   "4406349").PN. OR ("4512438").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/04/10 13:54
S32	57	("0278858"   "0290961"   "0299511"   "0448176"   "0473572"   "0481252"   "0489463"   "0553299"   "0619105"   "0640099"   "0816495"   "1069325"   "1202571"   "1206676"   "1576210"   "2543348"   "2549707"   "2647675"   "2873055"   "3018842"   "3207263"   "3261590"   "3325147"   "3908791"   "3915432"   "3944021"   "3946836"   "4026385"   "4121689"   "4191275"   "4406349").PN. OR ("4512438").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/04/10 14:43
S33	30	("3337004"   "3444962"   "3482872"   "3486791"   "3561690"   "3599757"   "3804396"   "4062994"   "4100996"   "4358136"   "4446944"   "4538702"   "5174410"   "5224427"). PN. OR ("5799760").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/12/22 14:48

S34	13	("20040145098"   "3106989"   "3444962"   "3820843"   "5197573"   "5455989"   "5464252"   "5598900"   "5799760"   "6279680").PN. OR ("7357222").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/12/22 14:48
S35	19	("3937407"   "4100996"   "4446944"   "5174410"   "5287943").PN. OR ("5598900").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/12/22 14:51
S36	26	("3026972"   "3186664"   "3398812"   "3532379"   "3680913"   "3717224"   "3752462"   "3847252"   "4275802"   "4396096"   "5035307"   "5118214"   "5154262"   "5235734"   "5423400"   "5433290"   "5458221"   "5598900"   "5623756"   "6099037"). PN. OR ("6338399").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/12/22 14:53
S37	0	("2005/0284694").URPN.	USPAT	OR	ON	2009/12/22 14:59
S38	1	("2002/0014370").URPN.	USPAT	OR	ON	2009/12/22 14:59
S39	16	("20030151180"   "3087584"   "3561690"   "3743267"   "4258934"   "4358136"   "4877110"   "4978139"   "5131470"   "5361867"   "5720496"   "5771993"   "5829548"). PN. OR ("6918464").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/12/22 15:04
S40	19	("2313437"   "2931466"   "3327811"   "3662992"   "3830346"   "3980161"   "4533026").PN. OR ("4923037").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/12/22 15:07
S41	29	("0187569"   "0404514"   "0632993"   "1052791"   "1575344"   "1583055"   "2979154"   "3294196"   "3880255"   "3900081"   "4161998"   "4287963"   "4425982"   "4503933"   "4629032"   "4653609"   "5020633"   "5101935"   "6233877"   "D363784"). PN. OR ("6550580").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/12/22 15:09

S42	22	("20020014370"   "20020112916"   "20020112917"   "20030151180"   "20070107984"   "3908791"   "3908791"   "4100996"   "4399890"   "4791243"   "4846075"   "4923037"   "5113981"   "5224427"   "5722612"   "5799760"   "5934408"   "5964316"   "6019195"   "6279680"   "6550580"   "6918464"   "7080716"). PN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/12/22 15:12
S43	8	("1828349"   "2128030"   "3245649"   "3598200"   "3908791").PN. OR ("4399890").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/12/22 15:13
S44	19	("2656088"   "2957542"   "3288247"   "3523591"). PN. OR ("3598200").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/12/22 15:14
S45	9	("1828349").URPN.	USPAT	OR	ON	2009/12/22 15:19
S46	7	("2990131"   "4846313"   "5351906"   "5447280"). PN. OR ("5722612").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/12/22 15:22
S47	12	("0383340"   "0512730"   "0579823"   "1158952"   "2448384").PN. OR ("4428455").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/12/22 15:32
S48	19	("1955473"   "2753100"   "3006431"   "3179994"   "3250515"   "3317971"). PN. OR ("RE30072").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/12/22 15:36
S49	12	("0277386"   "0277992"   "0482813").PN. OR ("3861497").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/12/22 15:41
S50	4	("482813").URPN.	USPAT	OR	ON	2009/12/22 15:43
S51	2	("277992").URPN.	USPAT	OR	ON	2009/12/22 15:44
S52	21	("1272160"   "1849725"   "2670890"   "3130815"). PN. OR ("3826335").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/12/22 15:53
S53	18	("0293322"   "1849725"   "1888911"   "3826335"   "3880254"   "4050542"   "4056167"   "4111281"   "4122917"   "4294331"). PN. OR ("4442918").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/12/22 15:54

S54	16	("0778048"   "1165583"   "1498048"   "2564389"   "2991526"   "3467224").PN. OR ("3779347").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/12/22 15:57
S55	26	("0219439"   "0539872"   "2109188"   "2478004"   "3154272").PN. OR ("3761082").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/12/22 16:01
S56	2	("2437864").URPN.	USPAT	OR	ON	2009/12/22 16:14
S57	5	("2403653").URPN.	USPAT	OR	ON	2009/12/22 16:15
S58	1	("1858256").URPN.	USPAT	OR	ON	2009/12/22 16:18
S59	928	(vertical upright upward) near (safety (line rope wire)) and ((fall energy) adj (absorb\$5 damp\$5))	US-PGPUB; USPAT; USOCR	OR	ON	2009/12/22 16:28
S60	270	(vertical upright upward) near (safety (line rope wire)) and ((fall energy) adj (absorb\$5 damp\$5)) and anchor	US-PGPUB; USPAT; USOCR	OR	ON	2009/12/22 16:29
S62	538	(vertical upright upward) near (safety (line rope wire)) and ((fall energy) adj (absorb\$5 damp\$5)) not human	US-PGPUB; USPAT; USOCR	OR	ON	2009/12/22 16:33
S63	26	(vertical upright upward) near (safety (line rope wire)) and ((fall energy) adj (absorb\$5 damp\$5)) and anchor not human	US-PGPUB; USPAT; USOCR	OR	ON	2009/12/22 16:37
S64	4	(vertical upright upward) near (safety adj (line rope wire)) and ((fall energy) adj (absorb\$5 damp\$5)) not human	US-PGPUB; USPAT; USOCR	OR	ON	2009/12/22 16:37
S65	534	((vertical upright upward) near (line rope wire)) and ((fall energy) adj (absorb \$5 damp\$5)) not human	US-PGPUB; USPAT; USOCR	OR	ON	2009/12/22 16:38
S66	23	((vertical upright upward) near (line rope wire)) and ((fall energy) adj (absorb \$5 damp\$5)) and anchor not human	US-PGPUB; USPAT; USOCR	OR	ON	2009/12/22 16:39
S67	0	(fall adj arrest\$4) and (plastic\$5 near deform\$4 with compression)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/12/22 17:11
S68	0	(fall adj arrest\$4) and (plastic\$5 near deform\$4 same compression)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/12/22 17:12

S69	1962	(plastic\$5 near deform\$4 same compression)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/12/22 17:12
S70	979	(plastic\$5 near deform\$4 with compression)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/12/22 17:12
S71	21	(plastic\$5 near deform\$4 with compression) same (energy near absorb\$5)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/12/22 17:12
S72	26	(plastic\$5 near deform\$4) same (energy near absorb \$5 with compression)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/12/22 17:16
S73	1506835	(plastic\$5 near deform\$4) same (energy near absorb \$5 with compression) and fall	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/12/22 17:16
S74	7	(plastic\$5 near deform\$4) same (energy near absorb \$5 with compression) and fall	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/12/22 17:16
S75	10	(pre\$1tension\$4 pretension \$4) with safety near (line cable rope)	US-PGPUB; USPAT	OR	ON	2009/12/22 17:26
S76	119	(pre\$1tension\$4 pretension \$4) with pulley with (line cable rope)	US-PGPUB; USPAT	OR	ON	2009/12/22 17:32
S77	0	(pre\$1tension\$4 pretension \$4) with (sheave pulley) with (line cable rope) and (fall near arrest\$4)	US-PGPUB; USPAT	OR	ON	2009/12/22 17:33
S78	34	(pre\$1tension\$4 pretension \$4) with (sheave pulley) with (line cable rope) and (fall\$5)	US-PGPUB; USPAT	OR	ON	2009/12/22 17:33
S79	727	(pretension\$4 pre?tension \$4) near (cable rope line wire)	US-PGPUB; USPAT; USOCR	OR	ON	2010/09/21 19:31
S80	3645276	spring bias\$4 absorb\$4 dissip\$4 dampen\$4 (plastic \$4 near deform\$4)	US-PGPUB; USPAT; USOCR	OR	ON	2010/09/21 19:32
S81	164	S79 and S80 and fall\$4	US-PGPUB; USPAT; USOCR	OR	ON	2010/09/21 19:32
S82	0	("2009/0212474").URPN.	USPAT	OR	ON	2010/09/21 19:34
S83	3	("2002/0179368").URPN.	USPAT	OR	ON	2010/09/21 19:42

S84	16	("2459545"   "3762507"   "4095415"   "4159027"   "4494603"   "5136755"   "5458214"   "5988101"   "6005191"   "6171041"   "6338399"   "6533066"   "6691824"   "6698544"). PN. OR ("6945356").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/09/21 19:51
S85	21	("4560131"   "4928790"   "5004071"   "5036949"   "5092426"   "5113981"   "5282435"   "5307897"   "5316102"   "5320193"   "5346036"   "5598900"   "5660013"   "5694720"   "5711397"   "5833414"   "6053457"   "6227329"   "6474441"   "6591940"). PN. OR ("6805220").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/09/21 19:53
S86	23	("3937407"   "4100996"   "4446844"   "5174410"   "5287943").PN. OR ("5598900").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/09/21 19:54
S87	35	("0275895"   "0277049"   "0443552"   "0695775"   "0709127"   "0748114"   "0751870"   "0780795"   "0783063"   "0916825"   "0969209"   "2963178"   "3348630"   "3973644"   "3977495"   "3994366"   "4005762"   "4122934"). PN. OR ("4531611").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/09/21 20:00
S88	370977	(vertical\$4 climbing ascending elevating) and S80 and (cable rope line wire) and fall\$4	US-PGPUB; USPAT; USOCR	OR	ON	2010/09/21 20:06
S89	370868	(vertical\$4 climbing ascending elevating) and S80 and (cable rope line wire) and fall\$4 not S81	US-PGPUB; USPAT; USOCR	OR	ON	2010/09/21 20:06
S90	21059	((182/\$5).CQLS.	US-PGPUB; USPAT	OR	OFF	2010/09/21 20:07
S91	33238	((182/\$5).CQLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/09/21 20:07
S92	1672	(vertical\$4 climbing ascending elevating) and S80 and (cable rope line wire) and fall\$4 and S91 not S81	US-PGPUB; USPAT; USOCR	OR	ON	2010/09/21 20:07



S93	947	(vertical\$4 climbing ascending elevating) and S80 same (cable rope line wire) and fall\$4 and S91 not S81	US-PGPUB; USPAT; USOCR	OR	ON	2010/09/21 20:08
S94	554	(vertical\$4 climbing ascending elevating) and S80 with (cable rope line wire) and fall\$4 and S91 not S81	US-PGPUB; USPAT; USOCR	OR	ON	2010/09/21 20:08
S95	8	("3908791"   "5316102"   "5417303").PN. OR ("5964316").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/09/21 20:24
S96	16	("0578145"   "1350136"   "3444957"   "4116305"   "4674596"   "4714134"   "5105907").PN. OR ("5316102").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/09/21 20:30
S97	28	("2080700"   "3177543"   "3674116"   "3876036"   "3908791"   "3979797"   "4034828"   "4058818"   "4071926"   "4077094"   "4193475"   "4521000"   "5056619"   "Re30072").PN. OR ("5265696").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/09/22 15:32
S98	15	("0087143"   "0647980"   "0661716"   "1026650"   "1161255"   "2970523"   "3944021").PN. OR ("5056619").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/09/22 15:36
S99	16	("3177543").URPN.	USPAT	OR	ON	2010/09/22 16:07
S100	16	("3177543").URPN.	USPAT	OR	ON	2010/09/22 16:07
S101	6	("2232414").URPN.	USPAT	OR	ON	2010/09/22 16:13
S102	8425	(472/\$6).CCLS.	US-PGPUB; USPAT	OR	OFF	2010/09/22 16:19
S103	13568	(472/\$6).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/09/22 16:19
S104	727	(pretension\$4 pre?tension\$4) near (cable rope line wire)	US-PGPUB; USPAT; USOCR	OR	ON	2010/09/22 16:20
S105	3645276	spring bias\$4 absorb\$4 dissip\$4 dampen\$4 (plastic \$4 near deform\$4)	US-PGPUB; USPAT; USOCR	OR	ON	2010/09/22 16:20
S106	164	S104 and S105 and fall\$4	US-PGPUB; USPAT; USOCR	OR	ON	2010/09/22 16:20
S107	33238	(182/\$5).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/09/22 16:20

S108	554	(vertical\$4 climbing ascending elevating) and S105 with (cable rope line wire) and fall\$4 and S107 not S106	US-PGPUB; USPAT; USOCR	OR	ON	2010/09/22 16:20
S109	157	(vertical\$4 climbing ascending elevating) and S105 with (cable rope line wire) and fall\$4 and S103 not (S106 S108)	US-PGPUB; USPAT; USOCR	OR	ON	2010/09/22 16:20
S110	159	(vertical\$4 climbing ascending elevating) and S105 with (cable rope line wire) and fall\$4 and S103	US-PGPUB; USPAT; USOCR	OR	ON	2010/09/22 16:26
S111	54	(belay) and S105 with (cable rope line wire) not (S106 S108)	US-PGPUB; USPAT; USOCR	OR	ON	2010/09/22 16:33
S112	94	(belay\$4) and S105 with (cable rope line wire) not (S106 S108)	US-PGPUB; USPAT; USOCR	OR	ON	2010/09/22 16:33
S113	16	("0578145"   "1350136"   "3444957"   "4116305"   "4674596"   "4714134"   "5105907").PN. OR ("5316102").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/09/22 16:46
S114	15	("0204581"   "0537383"   "0780795"   "0879439"   "0931040"   "3095946"   "4512438"   "4570750"   "4653609").PN. OR ("7117975").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/09/22 16:54
S115	20	("2656088"   "2957542"   "3288247"   "3523591").PN. OR ("3598200").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/09/22 16:59
S116	15	("3523591").URPN.	USPAT	OR	ON	2010/09/22 17:00
S117	11	("0329190"   "0640099"   "0641121"   "1106608"   "1282201").PN. OR ("4236600").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/09/22 17:02
S118	16	("1258102"   "2665123"   "2678976"   "4589523"   "5105907").PN. OR ("5458214").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/09/22 17:13

S119	19	("3798856"   "5011106"   "5271481"   "5307897"   "5346036"   "5358068"   "5398777"   "5458214"   "5588272"   "5718305"   "5758742"   "5863020"   "6216414"   "6412230"   "6412598"   "6478111"   "6688062"   "6786020"   "6868647"),PN. OR ("7163083").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/09/22 17:13
S120	0	("2002/0053485").URPN.	USPAT	OR	ON	2010/09/22 17:27
S121	0	"09505542"	USPAT	OR	ON	2010/09/22 17:28
S122	1	"09505542"	US-PGPUB; USPAT	OR	ON	2010/09/22 17:29
S123	2	("2003/0029122").URPN.	USPAT	OR	ON	2010/09/22 17:31

**EAST Search History (Interference)**

&lt; This search history is empty &gt;

**9/ 22/ 2010 7:59:20 PM****C:\Documents and Settings\dcahn\My Documents\EAST\Workspaces\10595612.wsp**